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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 5

Complete if Known				
Application Number	10/708,271			
Filing Date	February 20, 2004			
First Named Inventor	Douglas A. Luopa			
Group Art Unit				
Examiner Name				
Attorney Docket Number	49879 1			

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent I	Cocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	1	2,484,279		Folz	10-11-1949		
	2	4,945,758		Carpenter	08-07-1990		
	3	5,531,103		Eaton	07-02-1996		
	4	6,311,546	}	Dickinson, et al.	11-06-2001		
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Examiner Initials*	Cite No. ¹	Office ³	Foreign Patent Do Number ⁴	cument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Te
	5	CA	1,143,012		Muller	03-15-1983		
	6	JР	58196437		Tokyo Shibaura Denki	11-15-1983		
	7	JP	59164942		Doryokuro Kakunenryo	09-18-1984		
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Substitu	ute for form 1449B/PTO		Co	Complete if Known		
			Application Number	10/708,271		
INF	ORMATION	DISCLOSURE	Filing Date	February 20, 2004		
STATEMENT BY APPLICANT			First Named Inventor	Douglas R. Luopa		
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	(use as many sh	eets as necessary)	Examiner Name			
Sheet	2	of 5	Attorney Docket Number	49879.1		

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
	8	WANG, et al. "Enhanced Mass Transfer and Wall Shear Stress in Multiphase Slug Flow" - Paper 02501, Corrosion 2002, NACE International Conference, Houston, Texas, U.S.A. pp.2501/1 - 2501/15.					
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	10	MENDOZA-FLORES, et al.; "Influence of Electrode Length On the Measurement of Cathodic Kinetics of Steel Corrosion in C02 Containing Solutions, Under Turbulent Flow Conditions", Paper 02490, Corrosion 2002, NACE International Conferences,. pp. 02490/1-02490/12.					
	11	de WAARD, et al., "Influence of Liquid Flow Velocity on C02 Corrosion: A Semi-Empirical Model, Paper 128, Corrosion 95, NACE International Conference, Houston, TX, pp. 128/1-128/15.					
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	13	CHESTNUT, et al. "The Measurement of Corrosion Inhibitor Film Life in High Velocity Flow", Paper No. 135, Corrosion 95, NACE International Conference, TX, pp. 135/1 - 135/24.					
	14	HIGH, M.S. et al., "Mechanistic Modeling of Mass Transfer in the Laminar Sublayer in Downhole Systems", Paper 00062, Corrosion 2000, NACE International Conference, TX, pp. 1-20.					
	15	BOJES, Josef, et al. "A Laboratory Evalutaion of the Variables That Affect The Application of Batch Corrosion Inhibitors - Phase I", Paper 02289, Corrosion 2002, NACE International Conference, TX, pp. 02289/1 - 02289/10.					
	16	DE REUS, J.A.M., et al., Corrosion Inhibitor Selection and Field Verification in Oil and Gas Production*, Paper 02279, Corrosion 2002, NACE International Conference, pp. 02279/1 - 02279/8.					
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	18	HONGBIN, Wang, et al. "Why Corrosion Inhibitors Do Not Perform Well in Some Multiphase Conditions: A Mechanistic Study", Paper 02276, Corrosion 2002, pp. 02276/1 - 02276/15.					

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•			Group Art Unit			
	(use as many sh	eets as necessary)	Examiner Name			
Sheet	3	of 5	Attorney Docket Number	49879.1		

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	19	SHI, Hua, et al. "Predicting of Water Film Thickness and Velocity for Corrosion Rate Calculation in Oil-Water Flows", Paper 02500, Corrosion 2002, NACE International Conference, TX, pp. 02500/1 - 02500/17.						
	20	EDEN, D.A., et al., "Corrosion Monitoring as a Means of Effecting Control of C02 Corrosion", Paper 01057, Corrosion 2001, NACE International Conference TX, pp. 01057/1 - 01057/8.						
	21	THOMAS, M.J.J. Simon, et al. "Field Corrosivity Measurements - An Essential Component of the Corrosion Control Process" Paper 01038 Corrosion 2001, NACE International Conference, TX, pp. 01038/1 - 01038/16.						
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	23	DEVA, Y.P., et al. "Use of Electrochemical Noise to Monitor Multiphase Flow and Corrosion", Paper No. 337, Corrosion 96, NACE International Conference, TX, pp. 337/1 - 337/26.						
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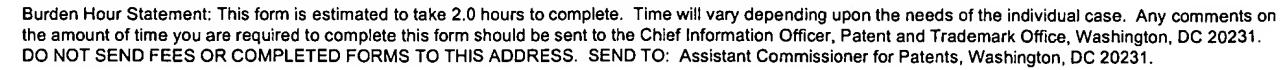
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				Application Number	10/708,271	
INF	ORMATION	I DISC	CLOSURE	Filing Date	February 20, 2004	
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	(use as many sl	heets as r	necessary)	Examiner Name		
Sheet	4	of	5	Attorney Docket Number	49879.1	

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	29	GOPAL, Madan, et al. "Effect of Multiphase Slug Flow On the Stability of Corrosion Product Layer", Paper No. 46, Corrosion 1999 NACE International Conference, TX, pp. 046/1 - 046/25.	
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	31	DOUGHERTY, J.A., "Effect of Variables on Downhole Corrosion Inhibitor Application", Paper No. 22, Corrosion 96, NACE International Conference, TX, pp.22/1 - 22/19.	
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	34	VIDEM, K., et al. "Corrosion of Carbon Steel in C02 Saaturated Aqueous Solutions Containing Small Amounts of H2S", Paper No. 12, Corrosion 94, NACE International Conference, TX, pp. 12/1 - 12/16.	
	35	CHEN, H.J., et al. "Inhibition of Slug Front Corrosion in Multiphase Flow Conditions", Paper No. 55, Corrosion 98, NACE International Conference, TX, pp.55/1 - 55/24.	
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	38	MORALES, Jose L., et al. "Determination of Galvanic Effect and Flow Effect on C02 Corrosion Behavior Using a Dynamic Field Tester" Paper No. 116, Corrosion 95, NACE International Conference, TX, pp. 116/1 - 116/15.	
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		_		Application Number	10/708,271	
INFOR	or form 1449B/P10					
STAT	EMENT B	Y	APPLICANT	First Named Inventor	Douglas R. Luopa	
				Group Art Unit		
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Sheet 5		of	5	Attorney Docket Number	49879.1	

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	40	KOLTS, Juri, et al. "Flow Effects In Corrosion Inhibitor Selection", Paper No. 108, Corrosion 95, NACE International Conference, TX, pp. 108/1 - 108/12.	li de la companya de			
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	45	BROWN, Gerald K., "Traditional Corrosion Monitors have their Usefullness - Part 2", Article, Pipe Line & Gas Industry, April 1996, pp. 53-55.				
	46	BROWN, Gerald K., "External H2 Sensor Monitors Internal Pipe Corrosion - Part 3", Article, Pipe Line & Gas Indusry, June, 1996, pp. 29-32.				
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